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L3: Entry 2 of 2

File: USPT

Aug 24, 1999

US-PAT-NO: 5943398

DOCUMENT-IDENTIFIER: US 5943398 A

TITLE: Automated message-translation arrangement

DATE-ISSUED: August 24, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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US-CL-CURRENT: 379/88.13; 379/100.13, 379/88.05

ABSTRACT:

A messaging system (100) is interfaced with a translation facility (101) so as to provide automated message translation for hearing-impaired and vision-impaired individuals. When a message is deposited (300) in a mailbox (112-113), a daemon process (117) checks (302-304) what translation service the mailbox owner is subscribed to, and then checks (306-312) whether any messages in the mailbox have a translatable component. The daemon process removes (316-318) any such message from the mailbox and sends (320-326) the translatable component to the translation facility with a request to perform the subscribed-to translation--such as voice-to-text or text/fax-to-voice. When the translated component is returned (440), the daemon process checks (442) whether the mailbox owner is subscribed to receive only the translated component or also the original untranslated component, and accordingly either appends (446) the translated component to the message or replaces (444-446) the untranslated component with the translated component in the message. The daemon process then marks (448) the message as translated and deposits (450) the marked message back in the recipient's mailbox for retrieval by the recipient.

11 Claims, 4 Drawing figures Exemplary Claim Number: 6

Number of Drawing Sheets: 3

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L3: Entry 1 of 2

File: USPT

Mar 6, 2001

US-PAT-NO: 6198808

DOCUMENT-IDENTIFIER: US 6198808 B1

TITLE: Controller for use with communications systems for converting a voice message to a text message

DATE-ISSUED: March 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Martin; Larry J.	Dallas	TX	N/A	N/A

US-CL-CURRENT: 379/88.14; 379/88.11, 379/88.15, 455/412

ABSTRACT:

The principles of the present invention introduce non-realtime messaging systems (and controllers for use therewith) that are capable of converting received oral messages from callers into at least substantially equivalent text messages for transmission to subscribers thereof. This may be accomplished by processing the received oral messages using data patterns representing oral phrases specific to non-realtime messaging systems. An exemplary messaging system includes each of a messaging controller, a data repository and a translating controller. The messaging controller is capable of receiving oral messages from callers and transmitting text messages to communications devices associated with subscribers of the non-realtime messaging system. The data repository is capable of storing data patterns that represent oral phrases specific to the non-realtime messaging system. The translating controller, which is associated with the messaging controller and data repository, is operable to process the received oral messages using the stored data patterns and to generate at least substantially equivalent text messages in response thereto.

21 Claims, 10 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 9